



ACCESS

UNSCRAMBLERS WITH ACCESSIBLE CABIN



The ACCESS system has a **cabin** that allows **full access to the inside** of the machine, which **facilitates the tasks** of inspection, maintenance, and cleaning.

While in operation, its multiple windows allow you to see what is happening inside at all times, in addition to **inspecting** the machine **without having to stop production**.

ACCESS guarantees total visibility with “zero” access to moving parts; its safety system avoids the opening of doors and access points while the machine is in operation.



POSIMAT 
Barcelona

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WHAT IS AN UNSCRAMBLER?

An unscrambler is a machine designed to feed empty plastic bottles into a filling line on a continuous, regular, automatic basis.

It is a worthwhile addition to bottling lines, as not only does it result in reduced labor requirements and an excellent cost-efficiency ratio, but also increased hygiene and guaranteed continuity in the delivery of bottles to the bottling line.

The first unscrambler with the POSIMAT rotating system was developed in 1977, while the systems for fast format change and rejection of defective bottles and other devices were designed and patented later on.

Its efficiency is measured by:

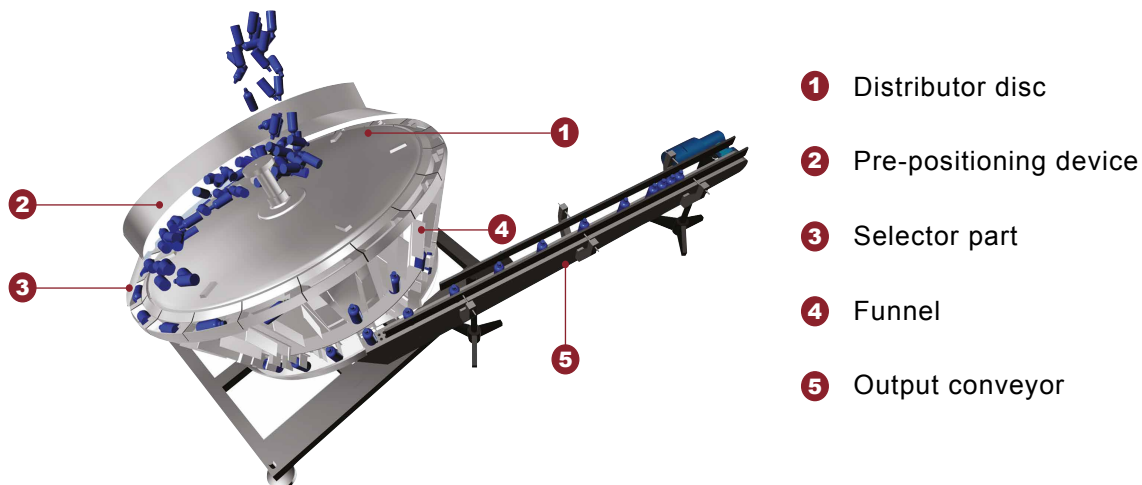
- **Labor cost savings,**
- **Bottle handling hygiene,**
- **Continuity in the bottling line.**

HOW THE POSIMAT ACCESS UNSCRAMBLER WORKS

The bottles enter the machine from a feeding hopper. While the disc (1) is rotating, the bottles that enter are placed on the periphery of the disc. The pre-positioning element (2) and the jets of air (to avoid physical contact with the bottles) guide the bottles to enter the selector parts or pockets (3) lying down.

Once the bottles are inside the selector parts (3), the jets of compressed air ensure that they are all correctly positioned. Otherwise, the bottles are sent back to the disc.

Once they are placed in the selector parts (3), they are slowly lowered through the funnels (4). This allows the positioned bottles to drop slowly under their own weight until they reach the output conveyor (5). Due to the special shape of the selector parts, the bottles will always appear on the output conveyor (5) the right way up, even if they were lying with the neck facing forwards and even if they are not inside the selector parts.

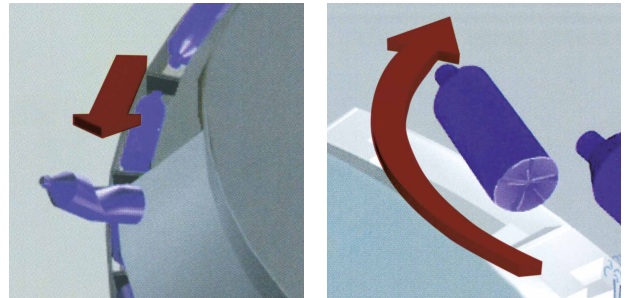


ACCESS, THE SOLUTION TO THE PROBLEM OF DEFECTIVE BOTTLES

When a defective bottle enters the unscrambler, the following will happen:

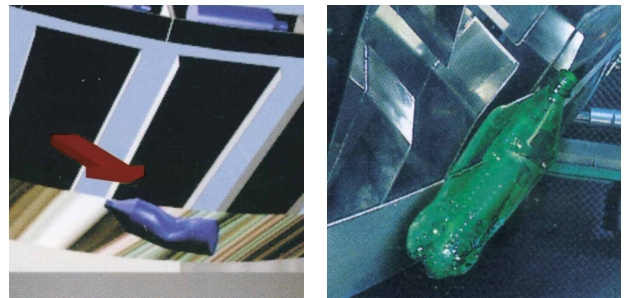
1 THE BOTTLE BECOMES TRAPPED INSIDE THE SELECTOR PART.

Action: An electronic detector will activate an immediate burst of compressed air which, in the vast majority of cases, pushes the bottle out of the selector part (patented system).



2 IF THE BOTTLE STILL GOES DOWN THROUGH THE FUNNEL.

Action: Due to the system of open funnels (patented) the bottle is shaken out of the funnel by the centrifugal force and falls to the floor of the unscrambler.

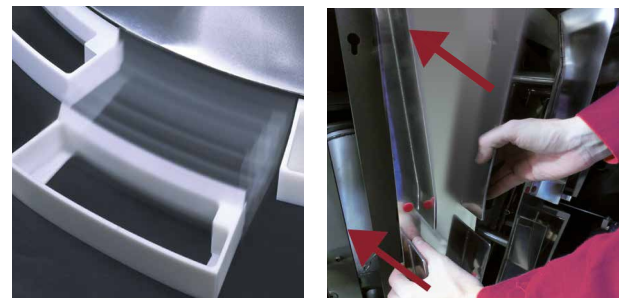


TWO VERSIONS OF BOTTLE FORMAT CHANGE

To minimise stoppage times, both change-over types are tool-free and easy to perform by minimally trained personnel.

1 REPLACEMENT OF SELECTOR PARTS AND FUNNELS

Manual bottle format change. This is done by replacing the existing set of selector parts and funnels with those for the new bottle format. They are positioned without tools or adjustments in just a few minutes.



2 POSIFLEX-Automatic

The only bottle format change system on the market that is carried out completely automatically and instantly by simply pushing a button.



GENTLE HANDLING OF THE BOTTLES

Inside the unscrambler, the bottles move by their own weight or with the help of jets of air. **There is no mechanical part that exerts any pressure on the surface of the bottles;** whether the bottles in question are printed, labelled, or made of PET plastic, none are deformed or scratched.

DESCRIPTION OF THE CABIN

The design of the ACCESS cabin **allows the user to clearly see the whole trajectory of the bottle** during each phase of the positioning process, from entry into the unscrambler to their exit on the conveyor towards the bottling line. Thus, any anomaly can be detected immediately: dirt, broken bottles, foreign objects that have got into the unscrambler, etc.



Completely closed cabins made of removable panels and **easy-access doors to carry out bottle format changes and for cleaning and inspection work**. Available with two types of finish: plastic-coated steel or AISI 304 stainless steel with **soundproofing of 80dB(A)**. Cabins with enhanced **soundproofing of up to 75dB(A)** are also available.

The cabin protects the operator from accidents, isolates the interior of the unscrambler from atmospheric dirt, and reduces the noise level.

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